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BRS: 9 and

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Active

- ☑ L1: (82719) "370"/\$.ccls.
- ☑ L2: (3505) 1 and (GPRS or "general packet radio service")
- ☑ L3: (87517) "455"/\$.ccls.
- ☑ L4: (4754) 3 and (GPRS or "general packet radio service")
- ☑ L5: (7547) 2 or 4
- ☑ L6: (3221) 5 and (node and gateway)
- ☑ L7: (190) 6 and (balance\$3 near\$5 load)
- ☑ L8: (35) 7 and "mobile node"
- ☑ L9: (4) 8 and "access point name"
- ☑ L10: (2) 9 and session
- ☑ L11: (2) 9 and "activate PDP context"

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(19) United States
 (12) Patent Application Publication (16) Pub. No.: US 2006/0291448 A1
 Hellgren et al. (43) Pub. Date: Dec. 28, 2006

(24) FIXED ACCESS POINT FOR A TERMINAL
 DEVICE

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(79) Applicant: Nokia Corporation

(21) Appl. No.: 10/817363

(22) Filed: Jan. 25, 2006

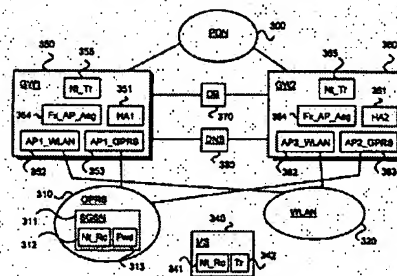
Publication Classification

(11) Int. Cl. H04W 76/00 (2006.01)

(12) U.S. Cl. 709/328, 709/329

(17) ABSTRACT

The invention relates to a fixed access point for a terminal device. One of multiple access points is assigned to serve as a fixed access point for a terminal device based on a selected identifier of the terminal device. A notification about the assignment of the fixed access point is transmitted to at least one of the access points and a gateway node serving the terminal device. As a result, multiple IP-based bandwidths between GPRS and WLAN can be monitored. Furthermore, the invention relates to a dedicated gateway for terminal terminals to provide guaranteed service to network services.



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	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20060291448 A1	20061228	12	Fixed access point for a terminal device	370/352	370/328		Hellgren, Vesa et al.
2	<input type="checkbox"/>	<input type="checkbox"/>	US 20050122942 A1	20050609	13	Method of balancing load and method of setting up call usin	370/338			Rhee, Eun Jun et al.

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United States
 Patent Application Publication (16) Pub. No.: US 2005/0122942 A1
 Rhee et al. (17) Pub. Date: Jun. 9, 2005

(14) METHOD OF BALANCING LOAD AND
 METHOD OF SETTING UP CALL USING
 THE SAME IN GENERAL PACKET RADIO
 SERVICE NETWORK (15) U.S. Cl. 370/332, 370/338

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(21) Appl. No.: 10/512163

(22) Filed: Apr. 1, 2005

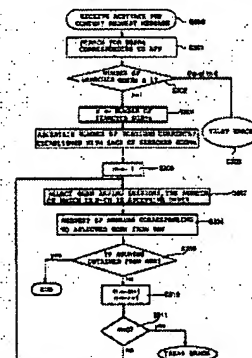
(40) Foreign Application Priority Data
 Dec. 5, 2002 (KR) 2002-08179

Publication Classification

(51) Int. Cl. 7 370/338

ABSTRACT

The present invention relates to a method of balancing a load and method of setting up a call using the load balancing method in a General Packet Radio Service (GPRS) network, which permits a load from concentrating on a specific network, thus reducing a probability of failure in service establishment due to increased traffic. In the load balancing method, when a Service GPRS Supporting Node (SGSN) receives a mobile node identifier number, it selects a GPRS network a specific number of established sessions among a plurality of SGSNs corresponding to an Access Point Name (APN) included in an Access Point Name Request message received from the mobile node and requests the selected SGSN to establish a session, thus solving a problem in which a load concentrates on a specific SGSN.



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2	<input type="checkbox"/>	<input type="checkbox"/>	US 20050122942 A1	20050609	13	Method of balancing load and method of setting up call using	370/338			Rhee, Eun Jun et al.

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 8 and "access point name"

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3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 20040147262 A1	20040729	21	System and method for message redirection between	455/434	455/435.2		Lescuyer, Pierre et al.
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7123910 B2	20061017	22	System and method for message redirection between	455/434	455/439; 455/445		Lucidarme; Thierry et al.

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